

Claims:

1. A spacer for providing a space between stacked rows of transceiver module shielding cages, comprising:  
a base having at least a hole for allowing air to follow therethrough and at least one conductive passageway defined therethrough for providing electrical and thermal conductivity between the rows of shielding cages.
2. The spacer as described in claim 1, wherein a plurality of venting holes is defined through the base for good air ventilation.
3. The spacer as described in claim 1, wherein the at least one conductive passageway is a plurality of posts each defining a press-fit hole therein.
4. The spacer as described in claim 1, wherein the spacer is made of a lightweight, electrically and thermally conductive material.
5. The spacer as described in claim 4, wherein the material is Aluminum.
6. The spacer as described in claim 1, wherein the spacer is die-cast.
7. The spacer as described in claim 1, wherein a plurality of protrusions extends from the base for benefiting air flows.
8. A shielding cage assembly comprising:  
a printed circuit board;  
a shielding cover mounted unto the printed circuit board and cooperating with the printed circuit board to define therebetween a cavity extending in a front-to-back direction;  
upper and lower conductive cages stacked, via a spacer therebetween, with each other in said cavity under said shielding cover;  
at least a lower dividing wall located in the lower cage; and

at least an upper dividing wall located in the upper cage in alignment with said at least one lower dividing wall in a vertical direction perpendicular to said front-to-back direction;

said upper cage and said lower cage being shorter than said at least one upper dividing wall and said at least one lower dividing wall in said front-to-back direction, wherein

at least one of said at least one upper dividing wall and said at least one lower dividing wall includes a vertical protrusion extending toward the other, and mechanically and electrically engaged with the other for shielding and grounding.

9. The assembly as claimed in claim 8, wherein said cover substantially has a same dimension with the at least one upper dividing wall and the at least one lower dividing wall in said front-to-back direction so as to fully cover said at least one upper dividing wall and said one lower dividing wall vertically.

10. A shielding cage assembly comprising:

a printed circuit board;

a shielding cover mounted unto the printed circuit board and cooperating with the printed circuit board to define therebetween a cavity extending in a front-to-back direction;

upper and lower conductive cages stacked, via a conductive spacer therebetween, with each other in said cavity under said shielding cover;

the upper cage and the lower cage being shorter than the shielding cover in said front-to-back direction; and

an electrical connector located in the cavity under the shielding cover and behind the upper and lower cages; wherein  
said electrical connector defines upper and lower mating ports in respective alignment with the corresponding upper and lower cage in the front-to-back direction, and further includes conductive elements located between said upper and lower mating ports and mechanically and electrically engaged with the spacer.